



From this...



To this...

SR 14 SE 192nd Avenue Interchange

This project, located in a suburban area west of Vancouver, constructed a new interchange, ramps, and bridges, and rebuilt Brady Road to the north of SR 14. This project improved approximately 4 miles of SR 14. The total cost for the project was \$19,780,000.

SR 14 – SE 192nd St Interchange

New bridge, ramps, and intersections.

Pond A
Pond cost \$4,000
Structure footprint 0.20 acres
Capacity 5,596 cf
Impervious area treated 0.56 acres
\$0.18/sf of impervious area



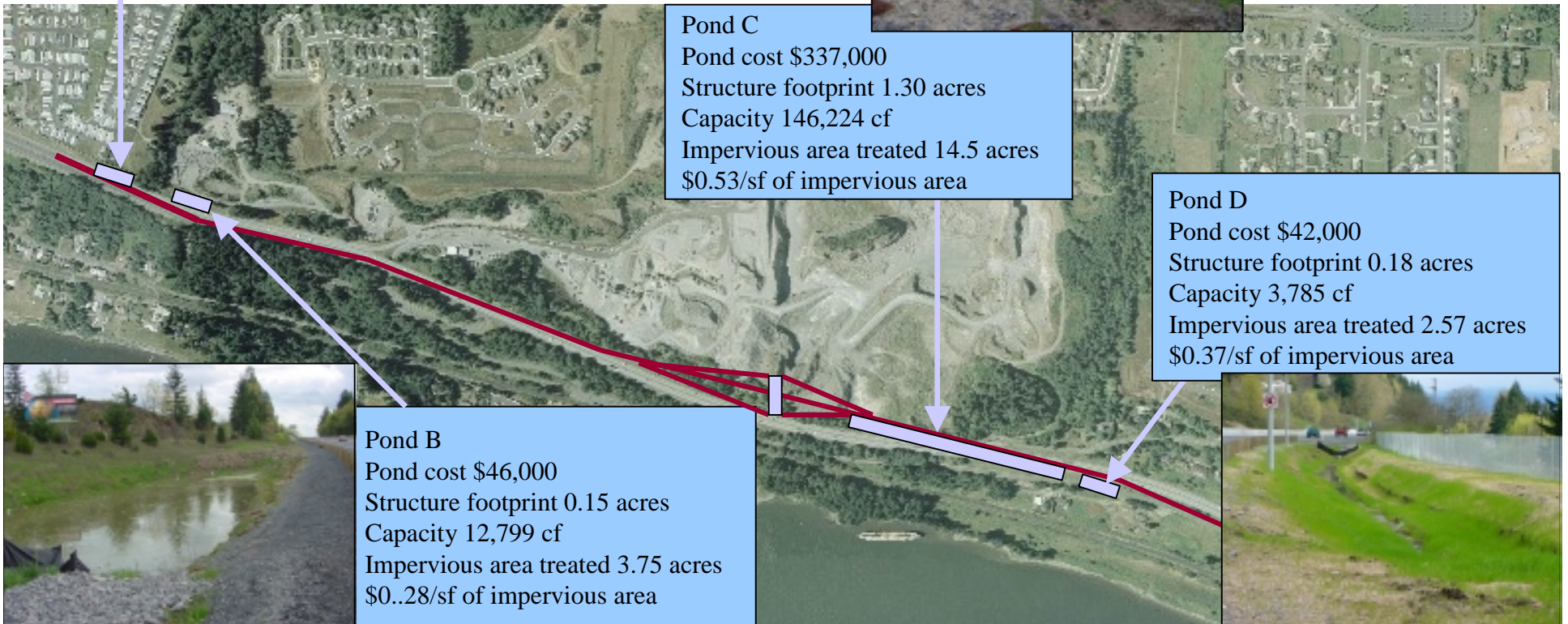
Pond C
Pond cost \$337,000
Structure footprint 1.30 acres
Capacity 146,224 cf
Impervious area treated 14.5 acres
\$0.53/sf of impervious area



Pond D
Pond cost \$42,000
Structure footprint 0.18 acres
Capacity 3,785 cf
Impervious area treated 2.57 acres
\$0.37/sf of impervious area



Pond B
Pond cost \$46,000
Structure footprint 0.15 acres
Capacity 12,799 cf
Impervious area treated 3.75 acres
\$0.28/sf of impervious area



SR 14 SE 192nd Ave. Interchange

Stormwater

Stormwater treatment was conducted to mitigate for stormwater runoff. This project used a combination of swales and ponds to treat stormwater.

Treatment occurred within existing right of way, so additional land acquisition was not needed for mitigation purposes.

The total cost of the swales and ponds to treat the stormwater was \$430,00 or \$0.46/sf of new impervious surface added.

Pond A



Pond B



SR 14 SE 192nd Ave. Interchange

Mitigation Costs

Phase Costs	
Preliminary Engineering	\$2.66M
Right of Way	\$0.74M
Construction	\$16.38M
Total	\$19.78M

	Const. Costs	Total Project Costs	% Mitigation of Total Project
Stormwater mitigation	\$0.38M	\$0.43M	2.0%
All other items		19.35M	98.0%
Total		\$19.78M	
Construction cost includes mobilization, sales tax & engineering			
Total project cost includes Design, Right of Way and Construction			



Stormwater treatment costs for ponds and swales – \$430,000

